PROBIOTIC COMBINATION GRANT *Lactobacillus acidophilus* AND *Bifidobacterium* AS A SUBSTITUTE FOR *Antibiotic Growth Promotor* (AGP) ON THE ANALYSIS OF BUSINESS CHICKEN FISHERIES

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ABSTRACT

Aims of this researchare to determine the analysis of the use of probiotics as an antibiotic substitute for feed consumption and egg production of laying hens. The research sample consisted of laying hens with lohmann strain at 30 weeks with 180 tails, divided into three treatments with six replications, each replicating using 10 chickens. Control samples are chickens with basal feeding without additional feed additives (AGP or Probiotics). Comparative Samples using AGP at a dose of 0.1 grams were mixed and stirred evenly in 120 grams of feed ration. Samples with probiotics use a combination of 0,5% *Lactobacillus acidophilus* + 0,25% *Bifidobacterium* through feed rations. The experimental data obtained were analyzed statistically using *analysis of variance* (ANOVA). The results of the study showed that the lowest feed consumption in group P2, the highest egg production in group P2, and the most profitable business analysis was the treatment group P2.

Keywords: Probiotics, Antibiotics, business analysis, feed consumption, egg production